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PATENT  
4001-1224

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Applicant: SIMON et al. Confirmation: 8341  
Serial No.: 10/588,493 Art Unit: 1645  
Filed: August 4, 2006 Examiner: Not assigned  
For: BIOSENSOR AND METHOD FOR OPERATING THE LATTER

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**November 6, 2006**

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, listed on the attached Form PTO-1449 are references that are relevant to the above-identified application, including those set forth on page 10 of the present specification. Copies of the foreign references and literature articles are included.

On page 2 of the accompanying Form PTO-1449, a corresponding U.S. patent or published application is cited for each German application, thereby satisfying the requirement for a concise explanation of relevance of these documents.

The German language Schindler article, listed on page 3 of the enclosed Form PTO-1449, describes BIACore®, a biospecific interaction analysis (BIA) system, with respect to miniaturized injection flow technology using an optical biosensor for monitoring interactions which take place at the sensor surface between a covalent and engaged molecule and another molecule in a solution in a fluid passing the surface. This system is used for measuring the concentration of

different molecules in mixtures to now-kinetic variables and affinities of macromolecular interactions and specific characteristics (e.g., of antigen/antibody/coupling).

The present Information Disclosure Statement is being filed prior within three months of the filing date of the present application; therefore, no fee is required. The Examiner is courteously requested to initial and return a copy of the Form PTO-1449 to confirm entry into the record and consideration of the listed documents.

Respectfully submitted,

YOUNG & THOMPSON

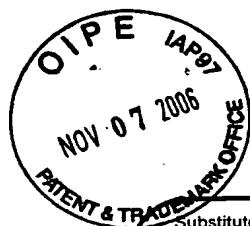
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PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

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substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

<i>Complete if Known</i>	
Application Number	10/588,493
Filing Date	August 4, 2005
First Named Inventor	Dr. Maximilian Fleischer
Art Unit	1645
Examiner Name	
Attorney Docket Number	4001-1224

## U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.4. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 3

***Complete If Known***

Application Number 10/588,493

Filing Date | August 4, 2005

First Named Inventor Dr. Max

## Art Unit

Attorney Docket Number 4001-1224

## FOREIGN PATENT DOCUMENTS

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Sheet

3

of

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Filing Date	August 4, 2005
First Named Inventor	Dr. Maximilian Fleischer
Group Art Unit	1645
Examiner Name	

Attorney Docket Number 4001-1224

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	12	Lu, Bin; Smyth, Malcolm R.; O'Kennedy, Richard: Immunological activities of IgG antibody on pre-coated Fc receptor surfaces. <i>Analytica Chimica Acta</i> , 1996, Vol. 331, Nr. 1-2, S. 97-102. (abstract) CAPLUS [online]. In: STN. Accession No. 1996:596405	
	13	Paeschke, M. [u. a.]: "Voltammetric Multichannel Measurements Using Silicon Fabricated Microelectrode Arrays". In: <i>Electroanalysis</i> , 1996, Vol. 8, Nr. 10, S. 891-898	
	14	Okochi M, Yokouchi H, Nakamura N, Matsunaga T.: Electrochemical detection of allergen in small-volume whole blood using an array microelectrode: a simple method for detection of allergic reaction. In: <i>Biotechnology and Bioengineering</i> , 1999, Vol. 65, Nr. 4, S. 480-484	
	15	Hintsche, R., M. Paeschke, et al. (1997). Microbiosensors using electrodes made in Si-technology. <i>Frontiers in Biosensorics 1 – Fundamental Aspects</i> : 267-283	
	16	Lyon, L. A., M. D. Musick, et al. (1999). "Surface plasmon resonance of colloidal Au-modified gold films." <i>Sensors and Actuators B</i> 54: 118-124	
	17	Uttenthaler, E., C. Köblinger, et al. (1998). Quartz crystal biosensor for the detection of the African Swine Fever disease	
	18	Schindler, F. (1992). "Real-Time BIA." <i>BioTec</i> 1: 36-43	

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